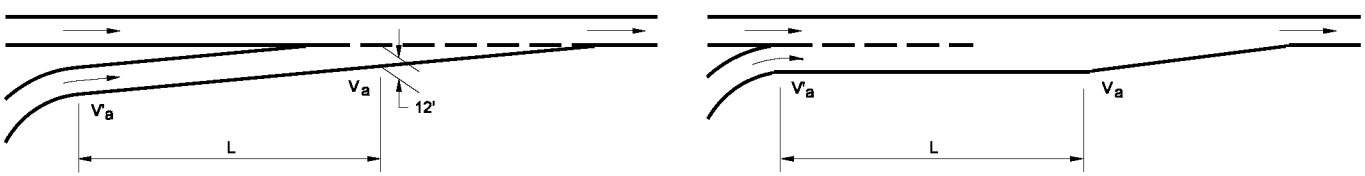
Highway Design Speed (mph)	Speed Reached, V a (mph)	Acceleration Length, L (ft) for Entrance Curve Design Speed (mph) and Initial Speed, V'a (mph)								
		Stop	15	20	25	30	35	40	45	50
		0	14	18	22	26	30	36	40	44
30	23	180	140	--	--	--	--	--	--	--
35	27	280	220	160	--	--	--	--	--	--
40	31	360	300	270	210	120	--	--	--	--
45	35	560	490	440	380	280	160	--	--	--
50	39	720	660	610	550	450	350	130	--	--
55	43	960	900	810	780	670	550	320	150	--
60	47	1200	1140	1100	1020	910	800	550	420	180
65	50	1410	1350	1310	1220	1120	1000	770	600	370
70	53	1620	1560	1520	1420	1350	1230	1000	820	580



TAPER TYPE

PARALLEL TYPE

Note: Uniform 50:1 to 70:1 tapers are recommended where lengths of acceleration lane exceed 1300 ft.

Minimum Acceleration Lengths for Entrance Terminals
With Flat Grades of 2 Percent or Less

Figure 48-4D